To Prevent Iron from Rusting.—Zeni recommends, for this purpose, eighty parts of pounded and very finely sifted brick-dust, which is to be mixed with eighty parts of litharge. The mixture is ground upon a slab with linseed oil to a thick paste, and diluted with oil of turpentine. Before use, the iron, even when it is new, should be rubbed quite clean. M. Zeni asserts that iron, which had been twice painted with this and exposed for some time daily to the action of the sea, had remained entirely free from rust.—*Chemical Gaz.*

Improvement of the River.—On Saturday, a notice was posted at Guildhall announcing the intention of the Corporation of the City to apply to Parliament for leave to bring in a bill to extend the powers of the Court of Conservancy of the river, over the River Thames and Medway from Staines to Yantlett Creek. The powers sought for are to pull down and rebuild bridges, erect steam-boat and other piers, to cut canals, to deepen the rivers, and to erect or form embankments, docks, harbours, jetties, and quays.

Terminus in Paris.—The Council-General of the Roads and Bridges have submitted to the Minister of Public Works, its decision respecting the site of the grand terminus of the Paris and Lyons railroad. It is to be established on the Boulevard Contrescarpe, near the Place de la Bastille, and will require the construction of a costly viaduct over the streets Moreau and Traversière and the grounds of the new prison of La Force.

Baptistery.—A novel feature has been lately introduced into Trevethin Church, under the sanction of the bishop of the diocese. A baptistery, measuring 8 feet by 3 feet 6 in., and 4 feet deep, has been placed near the south door, wherein it is intended, should any person have conscientious objection to the sacrament of baptism by sprinkling, to perform the ceremony by immersion.

Cast Marble.—A discovery is stated to have been made at Charlottenburg, by which marble may be cast in moulds of any size, the marble being equal in quality to the purest Carrara marble. Several figures have already been cast of the size of life. The cast is stated to be one dollar a foot.

TENDERS

For additional Wing to the Surrey Lunatic Asylum.

Gnasell	£41,472
Lee	37,700
Little	37,000
Hicks	37,100
Bird	37,474
Baker	36,400
Kelk	35,500

MEETINGS OF SCIENTIFIC BODIES

During the ensuing Week.

Monday, Jan. 14.—Statistical Society, 12. St. James's-square, 8 P.M.

Tuesday, 19th.—Institution of Civil Engineers, 25, Great George-street, 8 P.M. (anniversary).

Wednesday, 20th.—Society of Arts, Adelphi, 8 P.M.; Association of Architectural Draughtsmen, 33, Southampton-street.

Thursday, 21st.—Royal Society, Somerset House, 8½ P.M.; Society of Antiquaries, Somerset House, 8 P.M.

TO CORRESPONDENTS.

"*M. J.*"—Brixton.—We are unable to give any account of Langham Hall. A memorandum of the descent of the lands will be found in Hutchin's Dorset, second edition.

"*W. C.*"—The subjects named are not quite what we want.

"*J. B.*"—Could not recover from the Insurance Company.

"*J. M.*"—We are not aware that any drawback is allowed "on materials used in the building of schools connected with the Established Church."

"*Stations on Leeds and Bradford Line.*"—A correspondent asks for a list of the tenders delivered last month, for building there.

"*G. R.*" "Wolverhampton.—Shall be engraved. We wish the exact form of the upper oval panels was clearer.

"*A Subscriber.*"—It is not within our plan to furnish prices.

"*G. H.*"—The communication shall be forwarded to Mr. Higgs when we obtain his address.

"*J. C.*"—Tupper Carey, Esq., Secretary to the Committee, Guernsey. Designs to be sent in on or before Feb. 15.

"*J. J.*"—We fully admit "the importance of having the eye instructed by correct examples of mathematical lines." So many matters, however, press upon us, that we are quite unable to attend to all.

"*G. R.*" Hampstead.—We will inquire.

Received.—"A Subscriber" (Dalston.) "G. R. F." "A. G." Soho-square. "Rev. E. C." "J. J." "W. D. L." "G. W." "Observations on Steam Ships and the use of Iron in their construction. By Christopher N. Nixon (Effingham Wilson).

NOTICE.—Covers for Volume IV. of The Builder, may be obtained at the Office, 2, York-street, price 2s.; or the publisher will bind sets at 3s. each.

ADVERTISEMENTS.

TO BUILDERS AND CARPENTERS.

A Considerable saving will be effected in the purchase of IRONMONGERY by applying at F. B. WILLIAMSON'S Wholesale Warehouse, No. 35, Chiswell-street, Finsbury-square, near Whitbread's Brewery.

Best Patent Cut Clasp.

3½	4d.	5d.	6d.	9d.	20d.
6d.	7d.	8d.	1s.	1s 6d.	3s. per 1,000.

Best Sheet Floor Brads 13s. 6d. per cwt.
Best Town Glue 40s. per cwt. Do. Scotch, 52s. per cwt.

Best Patent Sash Line.

1	2	3	4	5	6
4s 3d.	5s.	6s 6d.	7s. 6d.	10s.	12s. per gross.

Ellipsis Stoves, 3d. per inch. Bevelers, 9d., 7d., 8d., per inch.
Self-acting Kitchen Ranges, with Oven and Back Boiler.
Wrought Bars and Bright Fittings.

3 ft. £3 3s. 3 ft. 6 in. £3 15s. 6d. 4 ft. £4.

Lists of Prices had on application at the Warehouse; if by letter pre-paid, inclosing postage stamp.

TO ARCHITECTS, BUILDERS, &c.

R. HENLY and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHEN-RANGES, STOVES, &c., 109, Blackfriars-road, and 117, Union-street, Borough.

Strong Self-acting Kitchen Ranges, with Back Boiler and Oven, and Wrought Bars:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3 3s.	£3 13s.	£3 18s.	£4	£4 5s.

Henly's Patent Improved, with Back Boiler and Wrought Iron Oven:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 feet 9 in.	4 ft.
£3	£3 15s.	£4 5s.	£4 10s.	£5.

Best Register Stoves, at 7d., 8d., and 9d. per inch.
Do. Ellipsis do., at 9d., and 6d. do.
Manufacturer of WRIGHTSON'S PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.
Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

IRON-WORK FOR BAKERS OVENS.

F. A. TIDDEMAN, Purfleet Wharf, Earl Street, Blackfriars, keeps an assortment of Stocks or mouthpieces; Plates, Furnace-bars, Top and Fall Doors, Stoppers, Chimney-bars, Inside, Outside, and Ash pit, Doors and Frames, Boilers and Frames, Lamps, &c., &c.; all of the best description, at very moderate prices.—CAST-IRON URNETS.

ORNAMENTAL STOVES.

JEREMIAH EVANS and Company respectfully invite the attention of Noblemen and Gentlemen furnishing, or refitting their mansions, to the most extensive and varied Stock of DRAWING-ROOM and other STOVES in the kingdom, which combine many recent improvements, producing great heat with small consumption of fuel, and are manufactured of every description of pattern, including the Gothic, Grecian, French, and Elizabethan; also fenders and fire-irons en suite. Improved Kitchen Ranges, with or without steam apparatus. Hot and Cold Baths of all descriptions, and every requisite in furnishing Ironmongery, at wholesale prices. Improved Hot-water Apparatus for warming buildings, conservatories, &c.—Manufactory and Show-rooms, 33, King William-street, London-bridge. Established in 1815.

HOT WATER APPARATUS.—The attention of architects, builders, and others is respectfully requested to BENJAMIN FOWLER'S superior method of heating chapels and chapels, halls, staircases, conservatories, forcing and greenhouses, manufactories, and warehouses, kilns, rooms for drying timber, &c., and every variety of purpose for which artificial heat is required. Within the last twenty years some hundreds of buildings have been heated upon this plan, and the parties for whom they were executed are constantly expressing their satisfaction, also their willingness to vouch for their efficiency. An improved straight-tube boiler, which requires no brick-work, may be seen in action upon the premises.—BENJAMIN FOWLER, 63, Dorset-street, Fleet-street.

TO ENGINEERS AND BOILER MAKERS.
LAP-WELDED IRON TUBES FOR STEAM BOILERS.

THE BIRMINGHAM PATENT IRON TUBE COMPANY, 42, Cambridge-street, Birmingham, and Smethwick, Staffordshire, manufacture Tubes under an exclusive License from Mr. Richard Prosser, the Patentee. These Tubes are now very extensively used in the Boilers of Marine and Locomotive Steam Engines in England and on the Continent, are stronger, lighter, cheaper, and more durable than Brass or Copper Tubes, and warranted not to open in the Weld. They may be fixed in the Boilers without Ferules, and can be taken out and refixed without additional trouble or expense.—Address, 42, Cambridge-street, Crescent, Birmingham; London Warehouse, 98, Upper Thames-street.

SMOKY CHIMNEYS EFFECTUALLY CURED.

WILSON AND CO.'S PATENT VENTILATING CHIMNEY POT.

For the cure of smoky chimneys, has been tested extensively throughout the Kingdom for the last two years, and has proved to be an effectual remedy.

The Patent Pots cannot corrode or get out of order, and can be effectually swept by the sweep's machine.

They are now manufactured of artificial Stone Cement.

The trade supplied with them at the Manufactory,

VALE PLACE, HAMMERSMITH GATE, MIDDLESEX.

N.B. Licenses granted to Manufacturers.

PAVING, 2s. 9d. PER SQUARE YARD.

Basements, Foot-walks, Malt-houses, Corn Stores, Floors of Warehouses, and every description of Pavement laid down at the above low price, and the work guaranteed.—Apply to JOHN PILKINGTON, 19, QUEEN-ST. BITUMEN PAVEMENT OFFICE, 13, WHARF-ROAD, CITY-ROAD.—N.B. Country Agents and Railway Engineers and Contractors supplied with the best bitumen for covering bridges and arches.

FILTERED WATER.—As the rainy season produces its dirty water, JOHN DAY, proprietor of Defarrille's system of filtration, the only one known by which large quantities of liquids are easily filtered, begs to announce that he continues to supply those apparatus, which are easily applied to cast-iron and water-butts, and when fixed require no care or attention from servants, and never get out of order. The prices are from Two to Four Guineas, producing from 10s. to 30s. full per day; for brewers, distillers, paper makers, hospitals, and large establishments, to any unlimited quantity, the prices varying accordingly.

&c. Lowe-lane Platform, Rotherhithe; Office, 33, Conduit-street, Bond-street.

TO ARCHITECTS AND BUILDERS.

THE attention of Architects and Builders is directed to the Patent Architectural Works for CARVING IN WOOD of any kind, STONE, and MARBLE. The advantages over every other description of carving are very obvious on comparison, whether in the execution of the work, or saving in price. A Show-room is fitted up on the premises, containing a variety of specimens, and the public are invited to inspect their carving. Communications should be addressed, "Architectural Carving Works, Eccleston-place, Pimlico," having no connection with any other establishment.

PREPARED FLOORING BOARDS, AS REDUCED PRICES.

ALWAYS on SALE, a Large Assortment of DRY PREPARED FLOORING BOARDS, and MATCHED BOARDING of all sorts, planed to a parallel width and thickness, from ¼ inch to 1½ inch thick.
TIMBER, DEALS, OAK PLANKS, SCANTLINGS, SASH BILLS, &c.

Apply at W. CLEAVE'S Timber Yard, Wilton-road, Pimlico; late C. Moore and Son's, and Great Smith-street, Westminster.

ALWAYS ON SALE at A. ROSLING'S, SOUTHWARK-BRIDGE-WHARF, BANKSIDE, at the Barge-Wharf, Upper Ground-street, Blackfriars, and at Hy. Castle's Ship-yard, Millbank-street, Westminster, a large, very general, and well-seasoned stock of all kinds of Prepared Floor and Wainscot Boarding, planed to a parallel breadth and thickness, at 6d per square immediate use; also a great variety of machine-prepared mouldings, very accurately finished.

A. R., in calling the attention of builders and consumers, confidently presumes on being able to supply them on such terms as will ensure and merit their favours, &c.

T. ADAMS (from Byron and Co.), late S. Dare, MAHOGANY and TIMBER MERCHANT, Bermondsey New Road, near the Bricklayers' Arms, SEASONED PLANKS, MAHOGANY BOARDING, FIT FOR IMMEDIATE USE, and MOULDINGS prepared by machinery. Cut Deals and Scantling of every dimension. Mahogany, Cedar, Rosewood, Wainscot, Elm, Beech, Oak, &c., in planks, boards, veneers, and logs; Pantile, Oak and Fir Laths; Wheelwrights' Goods. All sawn and prepared goods delivered free of expense (except timber). Sawing charged at mill prices. Very extensive Drying Sheds.

TO BUILDERS, &c.

JOHN NEWSON having now completed his machinery for preparing floor-boards with the smallest possible waste, and as cheap as heretofore, is enabled also now to complete every kind of sawing and grooving at the same mills. A good assortment of planks, deals, battens, cut boards, match boarding and mouldings; oak and deal mash sills, mahogany, oak, birch, and beech, in planks and boards, veneers, &c., all dry and ready for immediate use, being well covered by extensive drying sheds. Also single double white and pantile laths for sale at his Timber Yard, Grosvenor-row, Pimlico.

DRUCES, No. 2 WHARF, late Paradise-wharf, Chelsea.

TO THE TRADE.—Parties desirous of delivering Timber Deals, Stone, Bricks, or any other goods in the districts of Chelsea, Brompton, Fulham, Kensington, &c. A will find great facilities of Wharfage, Cranage, or Delivery, by applying as above. A weigh-bridge and drawdock.—N.B. Depôt for Glass Pantiles.

SILCOCK and Co.'s PATENT PLANES may be had at the following places:—

Archer, 45, Goodge-street, Tottenham-court-road; Blyth, Whitechapel; Cock, 434, Oxford-street; Dean, 46, King William-street, Penn, 103, Newgate-street; Holtzapffel and Co., 64, Charing-cross; and of all Ironmongers and tool dealers in the United Kingdom.

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TIMBER of any Size, PLANK, DEALS and BATTENS, &c. sawn on the most approved principle. Boards, &c., Prepared, Matched, and Grooved, by Muir's Patent Machinery. The Mills have all the advantages of navigation and water-carriage, being connected with the Thames by the Grosvenor Canal. Goods fetched from the docks and carted home free of charge.

Address to HENRY SOUTHAM,
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N.B. Estimates given for Sawing and Planing.

HOLBORN AND FINSBURY SEWERS, MIDDLESEX.

THE COMMISSIONERS of SEWERS for the LIBERTY give NOTICE, that their office, Hatton-garden, is open daily between the hours of Ten and Four, where information can be obtained (gratis) by persons about to Purchase or Rent Houses or Property, or take Land for Building purposes, of the situation and level of the public Sewers, capable of affording sufficient Drainage, and which they recommend all such Persons to apply for at the above office.

By the Court,
STABLE and LUBIL, Clerks.

COURT OF SEWERS FOR WESTMINSTER AND PART OF MIDDLESEX, No. 1, Greek-street, Soho-square.

TO BUILDERS and Others interested in Buildings or in ground for building upon, within the district under the jurisdiction of this Court, drained by water-courses falling into the river Thames, between the city of London and the parish of Fulham.

The Commissioners hereby give notice, that by an Act of the 6th Geo. 4, chap. 7, local, it is required that, previously to the making of any new sewer in any street, lane, or public way, or in any part intended to become a street, lane, or public way, or to carry drain off water from any house, building, yard, or ground, into any sewer under their management, or within their jurisdiction, notice in writing shall be given to them, or to their clerk at the office, and that such new sewer or sewers shall be constructed as made in such manner and form as shall be directed by the said Commissioners, and not otherwise.

And, in order to prevent the serious evils and inconveniences that must arise from ground proposed to be built upon being excavated at too great a depth, the Commissioners have directed that upon application being made at this office (previously to the excavation of such ground), information shall be given as to the lowest depth at which the same can be drained.

And the Commissioners do also give notice that, wherever the lower floors or pavements of buildings shall have been laid so low as not to admit of their being drained with a proper current, they will not allow any sewers, or drains into sewers, to be made for the service of such buildings.

It is recommended to all persons about to purchase or take houses, or other premises, to ascertain whether such premises have separate and distinct drains into common sewers.

All petitions must be delivered at this office at least three clear days before they are presented to the commissioners; and all such petitions will be called on in the order of their application, and the name of any party not present when called on to support the application will be struck out, and the proceedings must in such sequence be commenced de novo.

All communications made with any view without leave of the Commissioners will be cut off, and the parties making the same will subject themselves to a fine.

The provisions of the Metropolitan Buildings Act 6 and 8 Victoria, c. 84, do not supersede the authority of the Commissioners of Sewers in the above respects, but their powers are expressly reserved, and their regulations made subservient to the purposes of the Act. The execution of such works, under the superintendence of the district surveyor alone, cannot therefore warrant the making of any sewers or drains within this commission, nor relieve the parties making them from the penalties also mentioned.

By order of the Court,
LEWIS C. HERTSLET, Clerk.

STEPHENS'S PROCESS for DYEING or STAINING WOOD, as a substitute for Paint. The natural grain of wood is imitated by art, but the most successful imitation has a sameness of appearance when compared with the continual variety which different woods present in their natural grain. To give an ornamental colour to the wood without obscuring the grain, is the object of this process, which surpasses paint in appearance, while at the same time it is so economical that the whole interior of a house, which would take a month or six weeks to paint in the usual manner, may be finished in one week by the process about to be described, and be more pleasing when finished. Dyes or stains are prepared and sold by HENRY STEPHENS, 54, Stamford-street, Blackfriars-road; sold also at the office of "The Builder," 2, York-street, Covent Garden, London; Hailstone, Widemarsh-street, Hereford; R. Sutton, "Review" office, Nottingham; H. Wills, 39, High-street, Lynn; and in Manchester at Crake's Marble Works, Garratt-bridge. In bottles of 6d. and 1s. each, and at 10s. per gallon. The oak colour may be obtained in powder at 8s. per pound, which dissolves in water to form the liquid, and one pound will make one gallon of stain.—N. B. The Trade supplied.

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